DURING
STABLE MONTHS

More Milk—Richer Milk—Cleaner Milk

CATALOG No. 77

Our Guarantee To You

OUR POSITION as the world's largest manufacturers of clipping and shearing machines is due to the high quality of every product we have turned out during our 35 years in business and the fair treatment we give all our customers.

Throughout North and South America, Europe, South Africa, Australia and the Orient, wherever clipping or shearing machines are used, there are more bearing the name STEWART than there are of all other kinds put together.

From the very beginning, 35 years ago, we based our future on our ability and the determination to make better machines than anyone else, with the result that we have built up an organization of experts only attainable by a life-long experience in the business.

Should you visit our factory, and we hope you will some day you will be amazed at its size and the extent of its marvelous equipment.

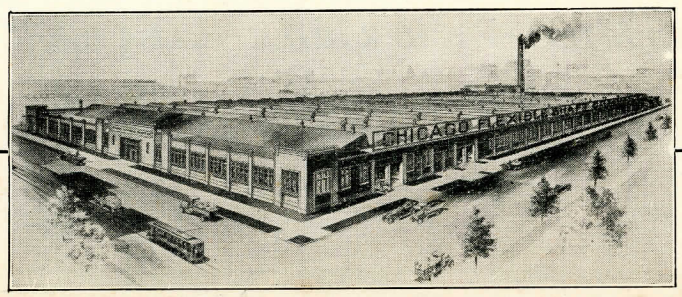
Visit us and see for yourself why STEWART Machines lead the world in quality, durability and performance.

When you buy a STEWART Machine you are really only borrowing it to try, for if the machine is not exactly as represented by us, and you are not thoroughly satisfied, your money will be promptly returned to you.

CHICAGO FLEXIBLE SHAFT COMPANY

5600 Roosevelt Road, Chicago, U. S. A.

35 Years Making Quality Products



INDEX

	Page
Investigation on Cow Clipping by Wisconsin Agriculturist	2
Editorial on Care of Milk Cows by Michigan Farmer	3
"Don't Neglect the Cows," Editorial by Hoard's Dairyman	4
More Milk—More Cream—Bigger Profits	5
Why Clipped Cows Give More Milk	6
What Farmers Say about Cow Clipping	7
Advantages of a Clean Dairy Herd (Farm & Ranch Editorial)	8
The Experience of Chas. Krueger	9
The Best Clipping Machine Made	10 and 11
Electric Clipping Machines	12
Experiences of Horse Owners on Clipping	12 and 13
Why It Pays to Clip Your Horses	13
New Cutting Plates for Stewart Clipping Machines	14
Clipping Attachments for Stewart Shearing Machines	14
Shearing Attachments for Stewart Clipping Machines	14
Hoard's Dairyman's Ten Clean Milk Commandments	15
European Information on Cow Clipping	16
Farmers Recommend Cow Clipping for Added Milk Profits	16
U. S. Government's Message to the Dairy Farmer	17
STEWART, the World's Gold Medal Clipping and Shearing Equipment	17
What a Two Years' Record Proved to Con Shields	18
How Sheep Owners Get More Wool	19
Australian Sheep Shearing Scene	19
The World's Best Hand Operated Shearing Machine—Stewart No. 9 Ball Bearing	20
A Low Cost Power Shearing Machine	21
How to Shear a Sheep	22 and 23
The STEWART Light Duty Shearing Machine	24
The STEWART Light Duty Clutch Bracket and Shearing Shaft	24
The STEWART Ideal Shearing Machine	25
The STEWART Improved Little Wonder Shearing Machine	26
The STEWART Electric Shearing Machine	27
STEWART Grinders for Sharpening Clipping and Shearing Plates	27
Stewart Shearing Heads for Shearing Machines	28
New Combs and Cutters for Stewart Shearing Machines	29
How to Choose the Right Shearing Machine for Your Needs	29
The American Gentleman Hair Clipper for Home Use	30
The STEWART A-1 General Purpose Clipper for Home Use	30
The STEWART A-2 Fetlock Clipper for Stable Use	30
Where and How to Get STEWART Supplies	30
Page of Convenient Order Forms	31
The SUNBEAM 32 Volt Electric Iron	33
Calendar for 1925	33

IMPORTANT NOTICE

Throughout This Catalog Machines Used on Horses or Cattle Are Called

Clipping Machines

Machines Used on Sheep and Goats Are Called

Shearing Machines

What Wisconsin's Greatest Farm Journal Found Out About Cow Clipping

The following is taken from the "Wisconsin Agriculturist" and gives the result of their cow clipping investigation under the heading, "Users Say Clipping Pays"

Under the above heading appeared an article in the Wisconsin Agriculturist, leading Wisconsin farm journal.

"Keeping dairy cattle clipped," continues the article, "pays a high dividend. This is the opinion of a number of Wisconsin farm users of clippers whose experiences recently were sought by the Wisconsin Agriculturist."

Regarding increase in milk production, through clipping milk cows, the editorial goes on—

Clipped Cows Do Better

"The cow with clean short hair which does not offer a harboring place for vermin will use less muscular energy in freeing herself of annoyances and consequently will have more composure for the making of milk.

"This is the opinion of the Koepp Brothers of Mondovi, Wis., who have clipped their cattle for three years regularly. 'We find that cows which are clipped in the fall do better all winter because their skin stays in better condition and the short hair offers no harboring place for lice,' they write.

"Charles Krueger of Denmark, Wis., reports similar experiences. 'In feeding for market,' he wrote, 'I found a clipper helps to get more for the stock which get fat sooner and look a whole lot better. One cow more than paid for my clipper. I bought her at an auction for $23 and in a week I sold her to a stock buyer for $45 just because the old long hair was off and she looked good.'

(See Chas. Krueger's letter on page 9).

"Keeping dairy cattle clipped pays big dividends", verdict of

"Wisconsin Agriculturist"

after making its own investigation among owners of dairy cows.

THIS PAGE REPRINTED from article in above farm journal, under heading

USERS SAY CLIPPING PAYS

Cows Increase Milk Flow

"Allan L. Callander, owner of Sleepy Hollow Farm, Fall River, Wis., also has become enthusiastic in his six years of using clippers on his stock. 'My cows increased in milk flow and seemed to be much more comfortable,' he said. 'I know that it was much easier for me to take care of them. And the horses work much easier. A person saves at least half an hour in cleaning and grooming them. If there is one job on the farm that I hate, it is cleaning dirty, sweaty horses. I clip my cows when they go into winter quarters and the horses in the early spring.'

"W. H. Goff and Sons of Bruce, Wis., write that they have always increased the sale value of their animals as well as their show ring appearance by clipping. 'Probably our greatest benefit from the clipper was last April when we held an auction sale of grade cows,' they write. By careful trimming up these cows, we made them more presentable and they sold for a price which exceeded any figure received for grade cows in this vicinity for the last two years.'

Dairy Official Recommends Cow Clipping

"Paul B. Bjerking of Beldenville, Wis., secretary and treasurer of the Pierce County Guernsey Breeders' Association, writes about the clipping machine. 'Cows kept clean without its use involves a great deal of work, much of which could be avoided.' "

The Biggest Journal in Michigan "The Michigan Farmer" says "Clip Cows"

In no type of farming, says the "Michigan Farmer," is cleanliness more important than in dairying

Reprinted From the Michigan Farmer

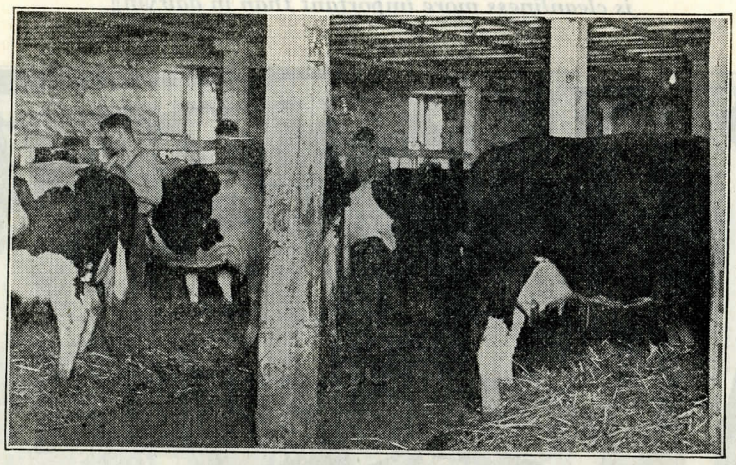
The study of production records of large numbers of cows, made possible by the work of many cow-testing associations that have been organized in almost every part of the country, has brought out a wealth of information on the possibilities of dairy-cow improvement and the efficiency of various methods and practices.

From the lowest-producing group of cows to the highest-producing group every jump of fifty pounds in animal butter-fat production was accompanied by an increase of about $16 in income over cost of feed. The more fat produced the bigger this income. The records show that selection of animals and better methods of feeding and caring for them raise production very materially.

While most farmers know the value of proper feed for their cows, not all of them recognize the fact that sanitary conditions for the animals are necessary to bring about the best result. Among these conditions, **none is more important than the practice of clipping dairy cows at regular intervals. This practice not only makes far healthier and more contented animals, but adds greatly to the production and to the purity of the milk. As a matter of fact, the health department of the District of Columbia, on its official score card, makes a deduction of twenty points from the official test score of milking cattle when the udders, flanks and tails are not clipped.**

Heretofore, the clipping of cows has been confined largely to pedigreed animals to be exhibited at county fairs and livestock expositions, because the clipping process was a more or less tedious affair with the instruments available. Through the invention of the present new form of clipper, however, **the process is so simple and easy that no farmer, even if he has but two or three cows, can afford to neglect this important practice.**—R. H. Moulton.

Hoard's Dairyman *Farmer John* says, "Don't Neglect Old Bossy"



Make the Best of What You Have

You may not have the opportunity to build a new barn, but the old barn can be kept clean, made more convenient with a little effort, and the cows kept under better conditions.

Give old bossy better care! This is a plea that should be heeded on every farm where dairy cows are kept, whether the number be one or a dozen animals. We are all familiar with the glossy, manicured and beribboned pure-bred dairy cattle seen at county fairs and international live stock exhibits. These animals are accustomed to the most sanitary quarters and attention. It is apparent that at least a degree of this care might easily be given the ordinary cow on the farm to the greater comfort of the animal, greater profit to the farmer, and greater purity to the milk.

The season is at hand when cows will be confined for months in sheds or barns. Too often they are left with unclean bedding, with flanks and udders matted with dirt. There is no excuse for such conditions on any farm. Clean bedding should be provided daily. **Flanks and udders should be clipped once a month. When this is done, a damp cloth run over the clipped surface removes all dirt, the purity of the milk is conserved, and it makes a healthier and more contented cow. All animals appreciate cleanliness and pay for it in increased production.** Among large dairy herds such attention is a matter of routine and this humane and economical service should not be neglected even where there are only one or two cows. It pays in the end.

A Few From Thousands of Letters Telling of

More Milk—More Cream—Bigger Profits For Farmers By Clipping Milk Cows

Bigger Production—Better Appearance

Since clipping my cows, I have averaged 5 lbs. more milk per cow daily and 1½ points in butter fat. It improves the appearance of the cow and aids in health, sanitation and productiveness. Cows look 50 per cent better when clipped. It helps to keep them comfortable. We find clipping cows pays. They stand state inspection and it improves their flow of milk, their butter fat test and their appearance in every respect.

LELAND H. MONK,
Sprakers, N. Y.

Many Farm Journals Say "Clip Milk Cows"

Among the many journals which advocate the clipping of milk cows are Hoard's Dairyman, Michigan Farmer, Wisconsin Agriculturist, Capper's Farmer, Orange Judd Farmer, Farm Life, Veterinary Medicine, Western Grain Journal, Canadian Countryman, Grain Growers' Guide, New York Dairymen's News, Iowa Homestead, Farm and Ranch, Southern Planter, Missouri Farmer, Indiana Farmers' Guide, and thousands of farming community newspapers.

Clipping Keeps Away Lice

My cows that are clipped give more milk than when not clipped. Clipping improves cows' appearance and they produce cleaner milk. Clipping keeps cows clean and free from lice and other skin diseases. Cows to be sold show up much better when clipped. Clipping young stock keeps them healthy so they can grow fat.

MAURICE K. SEAMANN,
Waldo, Wis.

Increases Milk Flow

Clipping increases the milk flow. It surely improves appearance of my cows. Milk is cleaner, therefore it keeps sweet longer. Clipping keeps cows comfortable and clean. It is well worth the time spent. They sure appeal better to the buyer's eye. I am not troubled so much with lousy, run-down cows now.

GEORGE NOHR,
Marion, Wis.

Clipping Pays All Around

By clipping, my cows gained between 5 and 10 per cent more milk. It improves their appearance and keeps away lice. I would clip my cows if I were selling them. Clipping makes cows comfortable—a clipped cow is always clean and comfortable and naturally will keep more fat and will produce more milk than if it were not clipped. A clipped cow will also market better.

FRANK ROUILLIER,
720 N. 11th St.,
Manitowoc, Wis.

Butter Fat Increased 4%

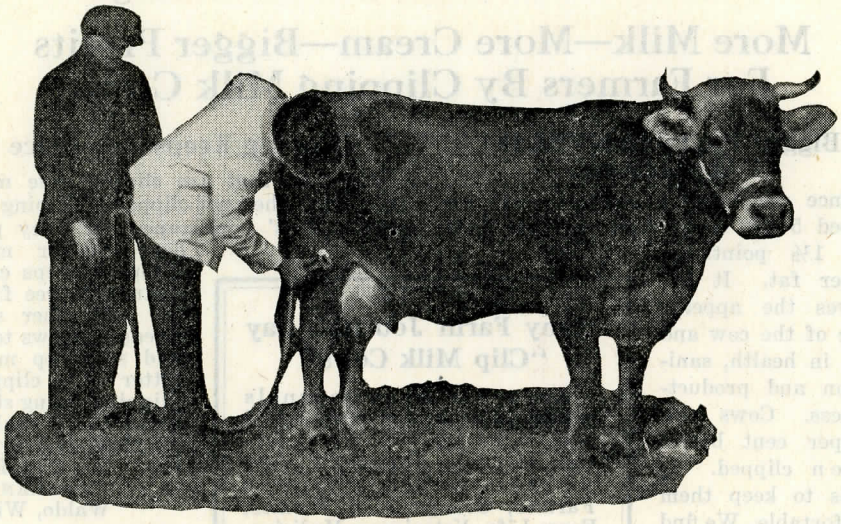
My increase in butter fat since clipping my cows has been about 4 per cent on heifers and more on cows. I keep them all clipped. It makes it possible to get better milk, as the milk stays sweet longer. Clipping gives a good impression to doctors, inspectors and mothers who buy milk for babies. It keeps the cows clean and comfortable. Clipping is so important that I rank it with feed, water and fresh air. The udder cannot be cleaned for milking unless it is clipped.

EDWARD PAYSON MILLER.

2 to 5 Quarts Daily Milk Gain per Cow

Cows are easier to groom and to keep clean when clipped, and will produce from 2 to 5 quarts more milk per day. Improves appearance of the cow. Milk from clean cows can be kept sweet longer. Keeps cows free from lice—more and cleaner milk. Clipped cows show to better advantage. Buyer does not care to buy rough-looking cows. Every farmer knows cows do their best when comfortable and clean. Clipping keeps them clean and they give more milk. To keep our cows clean during the winter months we only have to clip their tails, flanks, and udders, and if we find lice, their back and neck. If we do not clip our young stock, they will not thrive as well or do their best even with the best feed.

JOS. AUFDERMAUER,
Rubicon, Wis., R. 2.



Why Clipped Cows Give More Milk

DIRT and filth adhering to the animal's long hair for any length of time, mat upon the skin and are gradually absorbed into the system. This affects the cow's condition. Either the cow will eat more feed to combat the impurities absorbed, or it will fall off in milk flow. Long hair, too, is an excellent hiding place for vermin.

Clipping leaves no place for vermin to hide and affords no clinging place for filth. That is why merely wiping with a damp cloth removes all foreign matter from the animal.

Good results soon follow clipping. Usually, the cow does better on less feed and there is a very noticeable increase in milk yield because, the skin being clean, the whole system is in better condition, permitting freer flow of milk, richer milk and greater comfort for the cows.

Young stock thrives better when clipped because much of the energy otherwise expended in sustaining the growth of long hair and resisting the forces of clinging filth, is diverted into its natural heat-giving, flesh-building qualities.

It is customary to clip the udder, flanks and underline during the stable months and all over before turning the cows out in the spring. Cows are greatly benefited by a clipping just before the freshening period.

Stewart Clipping Machines cost little, last a lifetime and do the job most quickly and efficiently. Anyone with a Stewart can do his own clipping. No farm or stable outfit should be considered complete without one.

These Farmers say Cow Clipping is Profitable all-around

Best Thing That Ever Was

My cows gained much more in milk since clipping. They also gained in flesh and their milk stays sweet longer because it is cleaner. Clipping keeps lice off the cows. It is the best thing that ever was.

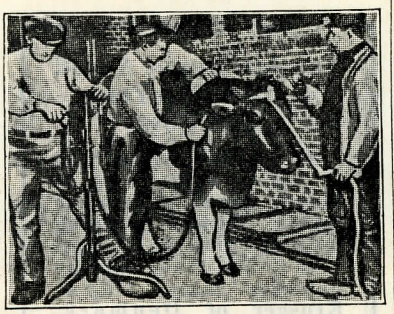
GEORGE D. PARKS,
St. Regis Falls, N. Y.

Recommends Clipping Machine

Clipping increases the flow of milk to some extent, but could not say exactly how much. Makes cleaner milk and makes them 90 per cent better all around. The Stewart clipping machine is fine and in perfect condition and I can highly recommend it to anyone who wants one.

W. H. BOULTON,
Sackets Harbor,
N. Y.

They Clip Milk Cows in Holland



The picture shows a scene on a Holland dairy farm. Intensive production methods practiced in foreign countries have long included regular clipping of dairy cows for more milk, richer milk and clean milk.

3 to 6 Lbs. More Milk Since Clipping

Our cows give from 3 to 6 lbs. of milk more each per day, since we are clipping them. Their milk is cleaner and stays sweet longer. Clipping improves them all around.

OTTO A. WENDINGER,
New Ulm, Wis.

Two to Three Quarts More Milk Daily

My cows gained from 2 to 3 quarts per day since clipping. It sure makes the cow look at least 20 per cent better and cows are kept clean with one-fourth the work. Makes cow comfortable. In selling, the difference in each cow when clipped would pay for the machine. In the spring, cows make milk instead of hunting the shade. It takes a long time for some cows to get rid of the old coat of long hair.

C. O. WOODALL,
Marcus, Iowa.

Wouldn't Be Without It

My cows give more milk since clipping and the milk has a better butter fat test of from 1 to 2 points. Clipping improves the appearance of the cows and it helps to keep their milk sweet longer. It keeps them free from lice, they look cleaner and it saves feed. It is worth while to clip and groom cows before putting them up for sale. It keeps them clean and comfortable.

JOHN KRUEGER,
Templeton, Wis.
P. O. Box No. 93

Butter Fat Test 2 Points Better

I have noticed a difference in milk and 2 points more butter fat test since clipping cows. The cows look better and milk stays sweet longer. Makes cows contented and saves labor in grooming. For show purposes, clipping is a necessity. There are not enough clipping machines in use.

Edgar, Wis., Rt. 5.
H. F. MUNKWITZ,

Clipping Makes Big Difference

I consider cows feel better, are more healthy and give bigger returns when clipped, and lice do not have as good a hiding place. The sale on one good clipped cow will pay for a clipping machine, above what you would get if not clipped.

CHAS. CARD,
Otsego, N. Y., Rt. 1.

Saves Feed

Clipped cows keep in better shape easier and they can be kept free from lice when clipped. Clipping cows saves feed and work and makes them more comfortable and contented.

HARLEY VAN ARMAN,
Hart, Mich., Rt. 1.

The Advantages of a Clean Dairy Herd

Says "Farm and Ranch" the great Southwest Farm Journal.

Numerous articles have been written on the housing and feeding of Dairy Cows. However, too little has been said about the importance of keeping the milk cows clean

With present-day efficiency standards as regards the feeding and care of milk cows, new developments constantly present themselves. Agricultural colleges point out the benefits of balanced diet and pointedly remark that animal hygiene is just as important. Practical tests prove conclusively that the owner of milk cows who safeguards the health of his animals is actually putting more cash into his own pocket.

How can the health of his cows be fully taken care of? Naturally, the stables must be kept clean. Proper arrangement of concrete manure gutters and drainage facilities, together with commonly known ventilation methods bring the labor of keeping the stables clean down to a minimum.

But keeping the cow clean is even more important. The up-to-date dairyman will not permit manure to cling and cake on the udder, flanks, bellies and tails of his cows. The "manure poultice" is a thing of the past with him, first, because he knows the menace to the animal's health, and second, because this is a condition easily prevented.

Helps Keep Cows Healthy

Such a condition affects the cow's well-being because the cow absorbs through its pores and into its system unhealthy forces of the adhering filth. This upsets the function of the animal's diet which is diverted in large part to combating this unsanitary condition. The same feed will produce more milk in a clean, healthy cow than in one that is beset with unsanitary conditions. It is well to bear in mind that a cow does not have to be actually sick to be out of condition, and a cow to successfully withstand lack of sanitation, must eat more feed.

The Remedy

The removal and prevention of this condition is easy and simple. A clean stable is essential. Plenty of clean bedding is very helpful. However, directly dealing with the cow's health, a simple bodily treatment of the cow is even more effective. This treatment is simply clipping the belly, udder and flanks at intervals of about thirty days during the stable months and a clip all over in the spring before turning the cows into pasture. The cost is small and the time required is quite unimportant because by clipping, from one to three minutes per cow is saved in properly cleaning preparatory to each milking.

It only requires a damp cloth wiped over the surface of a clipped cow's skin to clean it properly and the bacteria count in the milk is invariably lower than when the cow is not clipped. Reputable farmers throughout the United States state that clipped cows give more milk, their records pointing to a daily increase of from two to eight pounds more milk each day. Other advantages in clipping, as pointed out by them, are: More contented cows; lessened attacks by insect pests; immunity from lice and other vermin and greatly increased selling value due to the improved appearance of cows that are clipped. Owing to the small bacteria count in milk from clipped cows, milk keeps sweet longer.

In the District of Columbia the official government score card on milk cow tests makes note of a deduction of 20 points when the cow is not kept clipped throughout the test.

You Are Money Ahead If You Clip Your Milk Cows

Anyone who owns three or more milk cows is money ahead if he clips them. With a clipping machine this is a small task easily done. On the opposite page, Chas. Krueger of Denmark, Wis., tells how be triples his investment in a STEWART Clipping Machine every month—AND HIS MONEY COMES BACK TO HIM THIRTY-SIX TIMES A YEAR!

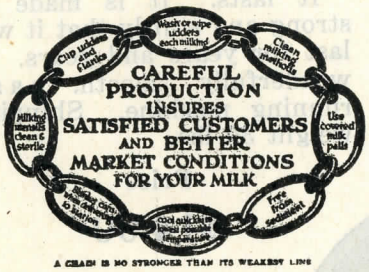
Denmark, Wis.
R R 4

Am averaging 6 lbs. milk a day more from one cow. I have 20 cows, which makes me $1.68 a day just because I clip my cows. Clipping cows makes them look 100% better. Milk is cleaner, sweeter and will keep longer. Clipping saves a big feed bill—keeps the lice away and gives cows more comfort. One clipped cow pays for the machine.

CHAS. KRUEGER

This clipping profit is easy to figure:

Gain per cow per day ——— 6 lbs
× 30
One cow for 30 days ——— 180 lbs
× 20
Twenty cows for 30 days ——— 3600 lbs
Clipping profit on one cow per day .084
20 cows $1.68
× 30
Clipping profit for 30 days $50.40


Wash or wipe udders each milking
Clean milking methods
Use covered milk pails
Cool milk 50° or lower promptly
Keep milk cans clean & sterile
Milking machines clean & sterile
Clip udders and flanks
CAREFUL PRODUCTION INSURES SATISFIED CUSTOMERS AND BETTER MARKET CONDITIONS FOR YOUR MILK
A CHAIN IS NO STRONGER THAN ITS WEAKEST LINK

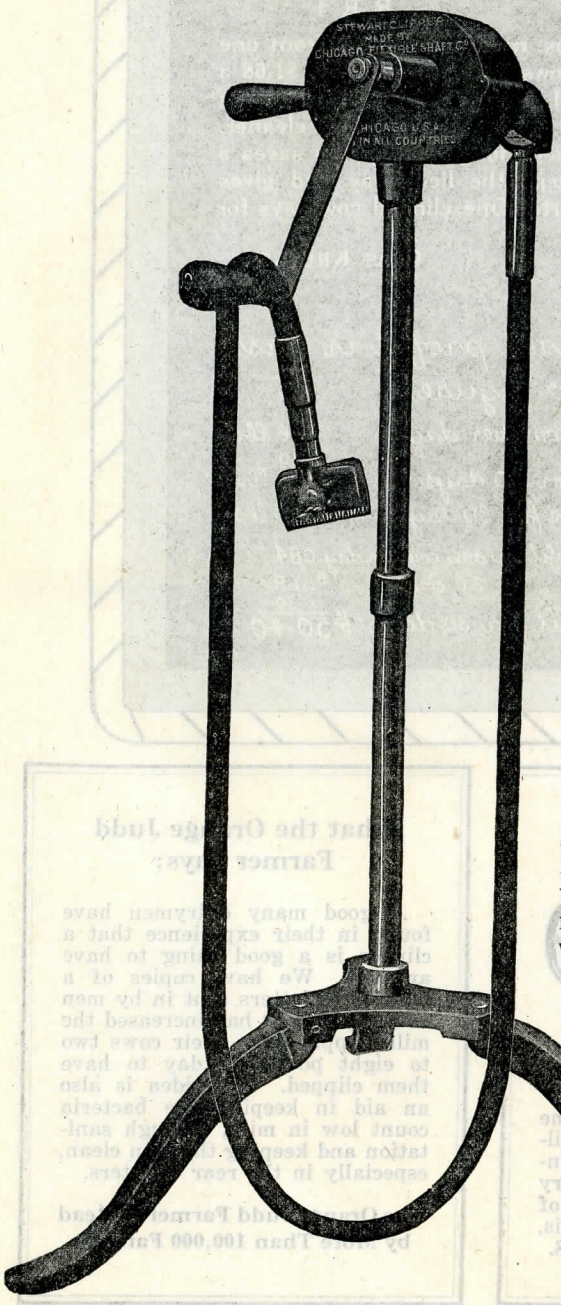
This is the trademark of the National Dairy Council of Philadelphia and, as well, of the Interstate Dairy Council. A very important link in their chain of more and better milk pointers is, **CLIP UDDERS AND FLANKS.**

What the Orange Judd Farmer Says:

A good many dairymen have found in their experience that a clipper is a good thing to have around. We have copies of a number of letters sent in by men who say that it has increased the milk supply from their cows two to eight pounds a day to have them clipped. This idea is also an aid in keeping the bacteria count low in milk, through sanitation and keeping the skin clean, especially in the rear quarters.

The Orange Judd Farmer Is Read by More Than 100,000 Farmers

This Clipping Machine Does The Best Work and Lasts Longest



Stewart No. 1
Ball Bearing
Clipping Machine

The Best Made

For Cows, Horses and Mules

Ninety out of every hundred clipping machines used the world over are STEWART No. 1 Clipping Machines because they

Do the best work
Do it easiest
Last a lifetime
Clip fastest
Stay sharp longest.

Low Cost

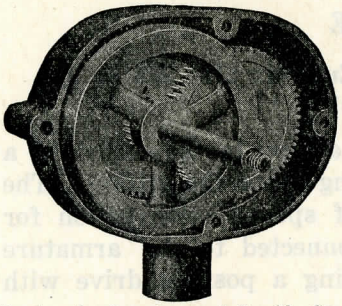
Our world wide distribution means great production at lowest cost, quality considered.

It lasts. It is made so strong and sturdy that it will last for years and years. A wonderfully smooth, easy running machine. Shipping weight 30 lbs.

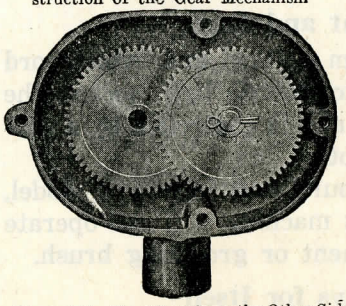
Price

$14.00

Inside Information on Stewart Quality



Showing the Ingenious and Durable Construction of the Gear Mechanism



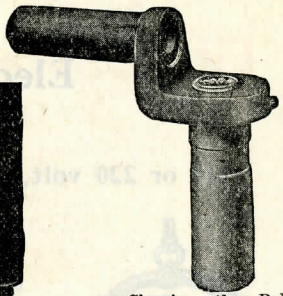
View of the Gear Case from the Other Side

The Stewart No. 1 is so simple in construction that anyone can set it up, ready for use, in five minutes. For convenience and economy in shipping, the machine is shipped in a compact box, but the various sections are assembled and all that is necessary is to put the sections together, as per instructions packed with each machine.

The gear case is dust-proof to exclude dust and dirt and to contain oil, whereby the gears run in continuous lubrication. The gears are cut from solid steel and are made file hard by our own special process of heat treatment. These gears will stand up against all kinds of wear infinitely longer than the usual cast or cut gears.

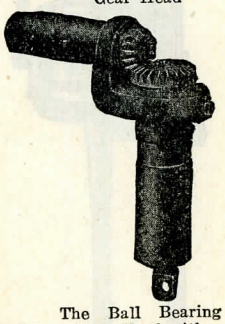
The flexible shaft is 6 feet long, ample to reach all parts of the animal, and is easy to handle, being light in weight and very flexible.

The weight of the complete machine is only 30 pounds, and yet, due to mechanical perfection and quality of materials used, it is just as efficient and durable as if it were three times the weight, also inexpensive to ship and easy to move when using.



Showing the Ball Bearings in the Gear Head

The Flexible Shaft in Detail



The Ball Bearing Gear Head with Cogs in Place

This Wonderful Clipping Head Comes with All STEWART Clipping Machines

STEWART Patented B-1 Clipping Head

Every clipping machine we make has the B-1 head as regular equipment without extra charge.

STEWART B-1 Clipping Head
(PATENTED)

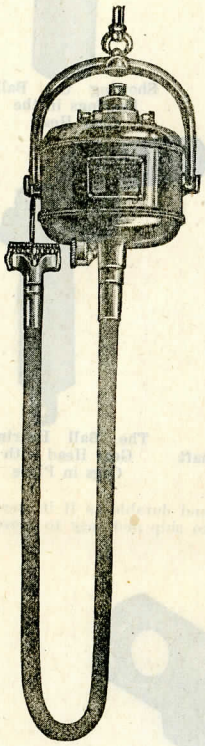
Price $4.50

The cross head carrying the moving plate travels back and forth on hardened steel pins in a perfect line and without any tendency to swing around. A boss in the frame and corresponding boss cup in the bottom cutting plate automatically assist in the perfect alignment of the plates so essential for good clipping.

With this head very little tension (pressure) on the top plate is needed so the plates remain sharp and wear so much longer than in other types.

STEWART
Electric Clipping Machine
HANGING TYPE

110 or 220 volt, 60 cycle, Alternating Current 110, 220 or 32 volt, Direct Current



Stewart Electric Clipping Machine Hanging Type

Price $80

The motor of this machine is suspended in a trunnion yoke for hanging from the ceiling. The 7½ foot flexible shaft of special construction for high speed is directly connected to the armature shaft of the motor, making a positive drive with no chance for lost motion.

Convenient and Fast

When suspended from ceiling and when cord from motor is attached to electric light socket, the machine is ready for use and is controlled by a convenient switch on the motor.

The clipping head is our latest improved model, shown on page 11. This machine will not operate a sheep-shearing attachment or grooming brush.

Quickly Pays for Itself

Where stables have electric current and considerable clipping to do, a Stewart Electric Clipping Machine will quickly pay for itself and is just the equipment needed, as it clips very fast and will take care of a large amount of work. Used extensively for large herds of dairy cows.

Be Sure to Specify Electric Current

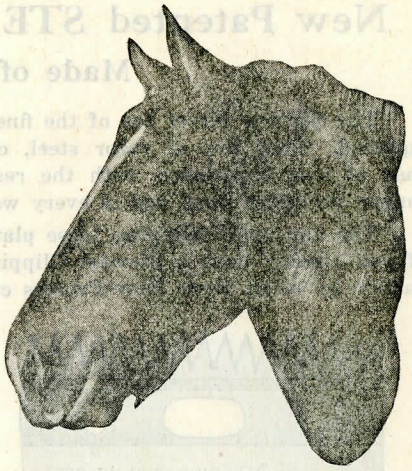
When ordering, do not fail to specify current-voltage wanted, and if for alternating current, the cycle also.

Shipping weight, 65 pounds.

WHAT CLIPPING DOES FOR A HORSE

Ernest Berndt, Jr., Brodhead, Wis., R. R. No. 2—"The way I came to buy a clipper was this: I had a team of horses which I usually had in fine shape. This team of horses started to get poor and they weren't doing much either. I started to feed them better, but the more I gave them the thinner they got. One day I happened to think maybe those horses had lice or some other disease. I looked them over, and to my surprise those horses were as full of lice as they could be. I really think those horses couldn't have stood it much longer than three weeks, and then they would have been hog feed. But that settled the hash. I went to Brodhead and bought a Stewart Clipper, and the next day the horses were clipped, and the rest of my horses got the same treatment. Within the next 4 weeks those horses were rolling fat. It does a horse good to clip him. They don't sweat nearly so much and they stand the work better and are kept clean lots easier. So that's why every spring I clip my horses. The Stewart Clipper is without fault, and every farmer should have one."

Why It Pays To Clip Your Horses



Clipping improves the health of horses. Their value is increased. Progressive, up-to-date farmers and horse owners clip their horses regularly. A horse is a valuable asset and should receive the best care possible. He should be well fed, comfortably stabled and clipped in the early spring. In his wild state he was able to look out for himself. The domesticated animal, being worked under conditions that are artificial, should be kept in condition for such work.

Clipping a horse in the spring, say the leading veterinarians, is as essential to his well being as shoeing him for the road or giving him a comfortable bed to lie on. A clipped horse dries out rapidly after a hard day's work, rests comfortably and is refreshed for work the following day. An unclipped horse is more liable to horse ailments. This is especially so when his hair is long and he is "soft." If worked hard and perspiring freely, the moisture will be held by his long hair, and the food that should go to nourish him will be used to replenish the heat that is being constantly taken from his body by the mass of cold, wet hair. If clipped, the perspiration will evaporate almost as soon as secreted, and when put in the stable, he rests comfortably and his food is more beneficial.

You would not enjoy very good health doing hard, manual labor in warm weather, clothed in heavy underwear, a heavy suit and a fur overcoat, and after perspiring freely, go to sleep without removing them. A horse cannot be expected to retain good health and efficiency under like conditions.

Horse Owners Say It Pays to Clip Horses

Harvey Halvorson, Pleasant Lake, N. Dak., R.F.D. No. 2—"I certainly do believe in clipping both horses and cows."

E. S. Courtright, Lowman, New York, R.F.D. No. 2—"Horses can do more work on less grain when clipped."

Clyde R. Dierks, Clarington, Ohio, R.R. No. 3—"I have found clipping very profitable for horses. No one will make a mistake in buying a Stewart Clipping Machine."

H. S. Shobe, Glasco, Kansas—"I bought the clipper to clip mules with, and I surely like it fine. When their hair gets long in the spring and they show they are not doing well I use my clipper on them. They will gain in flesh and are soon ready for the spring trade, as they sure do well after you clip them. If they are to be used to work, they feel better, look better and stand the work better without that long hair."

J. F. Wright, Round Lake, New York—"I bought the machine to clip my horses, especially the fast ones, I found that after working them out on the track they would come in all sweaty and when putting on blankets, it would make them sweat more and they would itch and begin to rub and destroy more blankets than I wanted to buy. Now that I have them clipped they come in in good shape, dry off quickly and keep their blankets on and are in no danger of catching cold."

Wm. H. Alert, Hampton, Iowa, Route No. 6—"I use my clipping machine for clipping horses and find it a paying investment, as horses with long hair will not work as good as horses that are clipped."

Edward Skalitzky, Marshall, Wis., R. No. 1, Box 104—"I bought the clipping machine for clipping horses, and find it well worth the time and price with the results I got.

Ward E Hinds, Burlington Flats—"I always clip my horses and find it very beneficial to them."

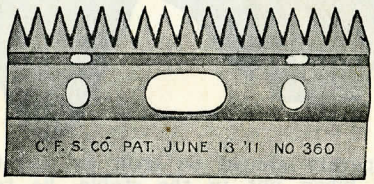
W. F. Hamilton, Syracuse, N. Y. R. R. No. 2—"I got the machine to clip horses and can say it is all that can be desired."

New Patented STEWART Clipping Plates

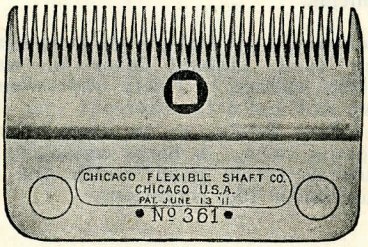
Made of Razor Steel

The clipping plates are of the finest quality and have a reputation that is not equalled. They are of razor steel, carefully hardened, ground and polished by men of long experience, with the result that they hold their keen cutting edge longer, do better work and in every way give longer and more satisfactory service.

The amount of clipping these plates will do and remain sharp is astonishing. If you already have a Stewart Clipping Machine you will get even greater satisfaction by using these New Process cutting plates.

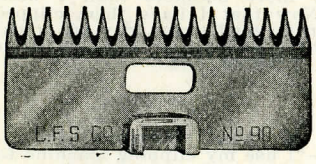


No. 360 Top Plate. Each $1.50

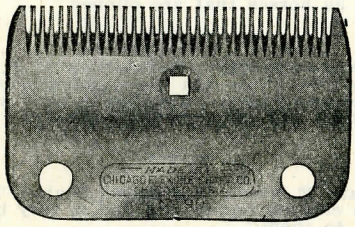


No. 361 Bottom Plate. Each $2.00

Plates No. 360 and 361 fit the Stewart B-1 Clipping Head which is used on all Stewart Clipping Machines made since January 1, 1915.



No. 90 Top Plate. Each $1.50

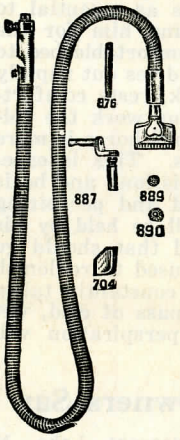


No. 99 Bottom Plate. Each $2.00

Nos. 90 and 99 Clipping Plates fit the Stewart C-1 Clipping Head which is used on all Stewart Clipping Machines made prior to January 1, 1915.

Stewart Clipping Attachment

for Hand Operated Shearing Machines



Owners of Stewart hand operated shearing machines can get this attachment for clipping cows and horses.

The shearing shaft can be removed and the clipping shaft attached by anyone in less than 5 minutes' time.

This makes a fine clipping machine.

Fits any Stewart hand operated shearing machine.

Weight, 8 lbs.

Price $10.50

Stewart Shearing Attachment

for Hand Operated Clipping Machines

No. 55 Sheep Shearing Attachment

for Use on Our No. 1 or No. 2 Chicago Horse Clipping Machine

This attachment consists of complete No. 5 Stewart Shear Head, two combs and four cutters, the solid core, universal jointed shaft and cogs, as shown here. Weight, boxed, 10 lbs.

Price $14.00.

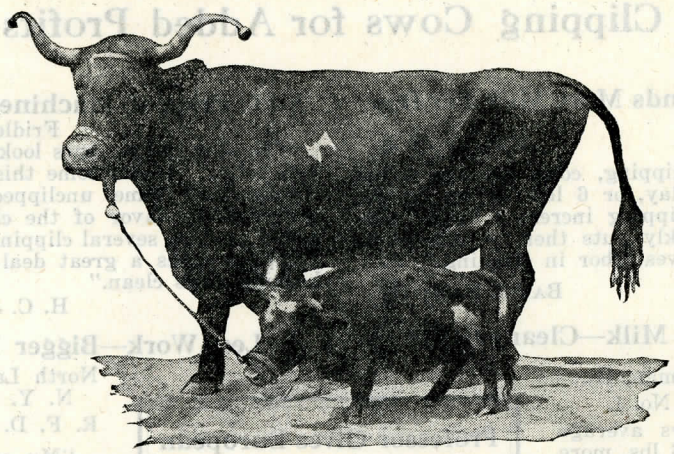
No. 77 Ball Bearing Sheep Shearing Attachment

Has ball bearings at the universal joints of the shaft and is equipped with the Stewart No. 7 Ball Bearing Shear. Two combs and four cutters are included.

Weight, boxed, 10 lbs. Price $16.00.

Milk Is Money—Take Care of It

From Hoard's Dairyman



The largest steer in the world and the smallest cow on earth. The giant is a full blooded Texas long-horn, weighing 4200 lbs. The midget is 26 inches high and was born near Altoona, Pa., almost nine years ago.

Milk Is Money—Take Care of It

Whether cows are on pasture or in the barn, dirt, particles of straw, and other foreign matter will stick to the hair on the udders and flanks and, unless care is exercised, will fall into the pail at milking time and contaminate the milk.

This can be largely overcome by clipping the hair on the cow's udders and flanks. It's no difficult job. It costs very little. Clip regularly. A little time thus spent will prove a large factor in making money from your dairy.

It's easy to brush and wipe dirt from cows' udders and flanks after they have been clipped.

The product of the healthy cow can be easily spoiled for use by careless methods. Spoiled milk means a money loss to you.

Milk sours because of bacterial growth. Bacteria are the smallest form of plants and grow rapidly in milk. Some kinds of bacteria are harmful and cause disease. Market milk should be as nearly as possible free from all bacteria.

The Ten Clean Milk Commandments published by Hoard's Dairyman begin and conclude as follows:

Ten Clean Milk Commandments

1. Keep the cow's flanks and udder free from dirt, for more dirt gets into milk from this source than from any other. Clipping the flanks and udder makes this easier and more certain.

10. Drive disease from the herd and keep the barn clean and whitewashed, for these things are not only bad in themselves, but also lead to a disregard of the previously given commandments.

Would you inherit the kingdom of good prices for healthy and palatable dairy products, keep in mind the motto, "Clean and Cold," and verily you will enter into the joys of prosperous dairying. A clean herd, a clean barn, clean udders, clean hands, clean utensils, immediate cooling and keeping cold are the strategy of the good milk general.

The Benefits of Cow Clipping More Milk—Better Milk

What are the benefits of cow clipping? This is best answered by letters from those who clip. In brief, the major benefits are more milk and richer milk. Clipped cows are easiest to keep clean—and clean cows are naturally the healthiest. Healthy cows give the most milk and it follows that their milk is richer and more plentiful.

Milk Keeps Sweet Longer

It is generally known that the freer from bacteria it is possible to keep milk, the longer milk will stay sweet. With stable filth clinging to the flanks, udder and underline of the cow, it is impossible to keep filth out of the milk pail — regardless of the care exercised by the milker. When such parts are kept clipped it is a simple and easy matter to wipe a damp cloth over the clipped parts and entirely remove foreign matter before milking.

In many dairy sections bonus is paid on milk deliveries testing below a given figure on bacteria count.

Experienced Farmers Recommend Clipping Cows for Added Profits

Six Pounds More Milk Per Day

Spooner, Wis.

"Since clipping, cows average 6 lbs. more per day, or 6 lbs. butter fat per month. Clipping increases bodily comfort. Quickly puts them in show condition. Saves labor in cleaning."

BAKER FARM CO.

More Milk—Cleaner Milk

Chrisman, Ill.
R. R. No. 1.

"My cows average from 2 to 6 lbs. more milk since clipping. Clipping improves appearance and you get cleaner milk. It makes cows hold their flesh better. It keeps them clean and comfortable and they don't suffer with the heat. The flies don't bother a clipped cow or horse as bad as others."

ALBERT HOULT.

Professor Gives European Clipping Information

According to R. S. Hulce, associate professor of animal husbandry at the College of Agriculture, Wisconsin, says the "Wisconsin Agriculturist," there is European information to the effect that clipping increases milk production about 8%.

Better Than a Tonic

Hornell, N. Y., Rt. 1.

"Clipping cows is better than a tonic. Cleaner and sweeter milk and much more agreeable for the man taking care of them. A clipped cow always shows up better. I clip my horses in the spring, and they pick up flesh on the same amount of feed and sweat very little. As long as I live on a farm I would not be without a clipping machine."

EDSON E. JENKINS.

Clipping Brings the Money

Framingham, Mass.

"Clipping makes cows easier to clean, which in turn makes milking a more pleasant job, and results in lower bacteria count, *which brings the money today.* Barn men clip with power machine and machine has paid for itself in 2 clippings, 12 weeks."

JAMES D. GEORGHEGAN,
Weveney Farm.

Adds Price of Machine to Cows

Fridley, Minn.

"Clipping makes cows look better and feel better. I sold some this fall, some clipped and some unclipped, and the difference in favor of the clipped cows would pay for several clipping machines. Clipping saves a great deal of time in keeping cows clean."

H. C. JOHNSON.

Less Work—Bigger Profit

North Lawrence,
N. Y.
R. F. D. No. 1.

"My cows give 3 or 4 lbs. a day more milk by being clipped and test from ½ to 1 point more butter fat. You get cleaner milk and it keeps sweet longer. Clipping keeps them cleaner, free from lice and in better condition. Cows ought to be clipped 2 or 3 weeks before selling, so they will look smoother. Cows are more comfortable when clipped and kept in a warm stable. Clipping makes milking easier."

FRED WARRINER.

Four to Nine Pounds More Milk Per Day

Dunkirk, Ohio,
Rt. 1, Box 44.

"I have found, in clipping, my cows gained from 4 to 9 lbs. of milk a day and the cows gain in butter fat. Clipping cows is a big help in keeping milk clean and sweet. Keeps them in good appearance and health and saves feed. Clipped cows sell to better advantage."

HARRY DAVIS.

Four Benefits Briefly Expressed

Burke, N. Y., R. D. No. 2.

"My cows give more milk since clipping them. They look better, are healthier and much easier to milk."

C. W. HINMAN.

Government Tells the Dairy Farmer How to Purify Nation's Milk Supply

Experts of the dairy division of the United States Department of Agriculture have compiled and published a bulletin, No. 276, on inspection of milk supplies that should be read by every dairy farmer in America. It will go far in the campaign to keep the milk supply of the nation pure. And all authorities now recognize that a pure milk supply means greater consumption, rapid growth of the dairy industry and bigger profits for the farmer.

Particular importance is attached to clean stabling, proper lighting, ventilation and **the clipping of flanks and udders. This keeps dirt from dropping into the pail as well as improving health and increasing productive capacity.** The score card system in dairy inspection is highly recommended in the report.

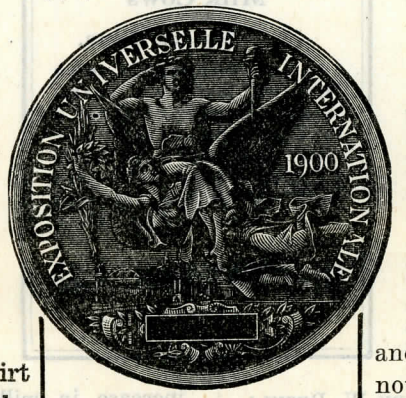
"Proper inspection of dairy farms," continues the bulletin, "furnishes evidence of disease in dairy cows and milk handlers. It supplies information regarding water supply and sewage disposal——both important public health matters."

Discussing the score-card method, the bulletin says "cow stables should have a well-drained location without which the score should be reduced.

"An abundance of light destroys bacteria, promotes the health of animals, and encourages cleanliness. Cows should be bedded so as to promote their comfort, but the bedding should not be of such a nature as to contaminate the milk easily. From a sanitary standpoint clean shavings are highly desirable. Loam, sand and dried muck are not recommended because of the dust created and the great difficulty of keeping them out of the hair of animals.

"When cows are carefully groomed and the **long hairs on the flanks and udders closely clipped, they are considered clean** and entitled to perfect score."

With the stabling season close at hand, the department's able circular is especially timely.



STEWART
is the
World's Gold Metal Equipment

Great World's Fairs drew nations from every part of the globe. There, world experts on clipping and shearing machines decided the highest award of merit that can ever be voted—and STEWART, by the excellence of its quality and performance, was voted by unbiased judges to be the World's Best.

These Farmers Get More Milk—More Butter—More Profit Because They Clip

His Advice Is—Clip

Hammond, N. Y.

"My cows gained from 5 to 8 lbs. more milk per day and also in butter fat. Their milk stays sweet longer and it is easier to keep the cows clean. They show to much better advantage. Clipping keeps them comfortable and clean. My advice is to clip your cows and keep them clipped."

RAY E. SOPER.

Over 100 Lbs. More Cream Yearly

Lakeville, Ohio,
R. F. D. No. 2.

"My cows average 2 lbs. more cream per week since clipping. Clipping is the only way to keep your cows looking good and to insure getting clean milk. With ordinary care, a clipped cow will show to better advantage than one that is not clipped. Clipping keeps them comfortable and clean."

HENRY W. REGULA.

Fine for Young Stock Too

Bowlus, Minn.
R. F. D. No. 1.

"Since clipping my cows, I find that they increase in milk flow. It increases the amount of butter fat and keeps the cows more healthy. It improves the looks of the herd. It surely is worth the price of a clipper. I value the clipping of young stock very highly, as they are much easier to keep free from lice and dandruff and they take less feed and do better."

JAMES JOHNSON.

Only Comfortable Cows Profitable

Sorosis Farms
Marblehead, Mass.

"Clipping increased the milk flow of my cows from 4 to 8 lbs. per day. The milk stays sweet longer. Clipping enables the farmer to keep his cows clean and healthy. All show cattle should be clipped. Clipping tends to make the cows comfortable, and only then can cows make money for the farmer."

EDWARD B. LEWIS, Supt.

Two Year Record Proves it Pays to Clip Milk Cows

Waseca, Minn.

"I have clipped my cows for the last two years, with a benefit of from 5 to 7 pounds of milk per cow per day increase. Clipped cows will gain both in butter fat and flesh after clipping. They do better on less feed and are much nicer to keep clean and take care of."

CON SHIELDS.

2 Pounds More Butter Fat per Day

Havana, N. Dak.

"Since clipping, my herd gained an average of 40 lbs. more milk per day and nearly 2 lbs. of butter fat per day. They look better, rest better, and it is less work to groom them."

EARL W. MILTON.

Wouldn't Take $100 for Clipper

Gladstone, Mich.
R. 1.

"Since clipping, there is a great difference in milk. Cow's appearance is improved. Milk is kept cleaner and sweeter. Clipped cows bring higher prices. If I could not get another clipper, I would not take $100 for the one I've got, as I would not be without it."

JACOB A. GROOS.

Requires Less Feed

Cleveland, Wis.

"Cows that are clipped increase in milk production after the second week. A cow that is clipped has a better appearance and gives more milk because it is more comfortable. It is worth while to clip animals which I have for sale. I can keep them in better condition with less feed after they are clipped."

ED. LANGENHAHN.

More Milk—Richer Milk

Boonville, N. Y.

"In just two weeks after I clipped my cows they gained just one hundred lbs. of milk, and the test before I clipped was 3.2, and after 3.5, so you can see it makes some difference. Everyone knows that clipping is the only thing for getting cleaner milk. It takes less hay and grain when you clip because you don't have to feed lice. I have clipped for seven years. My neighbors for miles around have Stewarts and they can't be beaten anywhere."

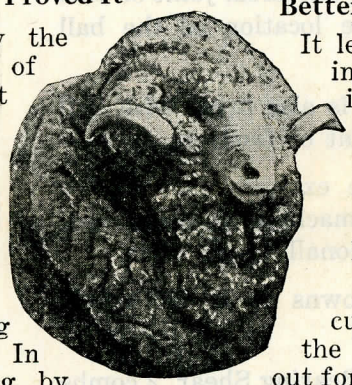
F. R. KOTARY.

Why You Get More Wool When You Shear With a Stewart Machine

The Machine Gets More Wool

not because it shears closer, but because it takes off the wool uniformly over the entire body. It is impossible to shear with hand blades without leaving ridges, and in these ridges from 10 to 15% of the animal's wool crop is lost.

The U. S. Government Proved It



Tests conducted by the United States Bureau of Animal Industry at Laramie, Wyoming, demonstrated that shearing the same sheep year after year by machinery produced more wool each season per sheep than where shearing was done with blades. In other words, shearing by machinery increased the clip not only the first season, but each successive season.

The Machine Shears Faster

Machine shearing requires none of the exertion needed to operate hand shears. All day long it keeps up a steady pace, and there are no tired arms or lame hands and wrists to slow up the operator.

Machine Shearing is Easier

Any man with very little experience can do good work with a machine, whereas it takes long practice to shear with hand blades. With the machine one soon does fast work, saving much time, to say nothing of the saving in hard labor and the increase in wool.

Machine Shearing Gets Better Grade Wool

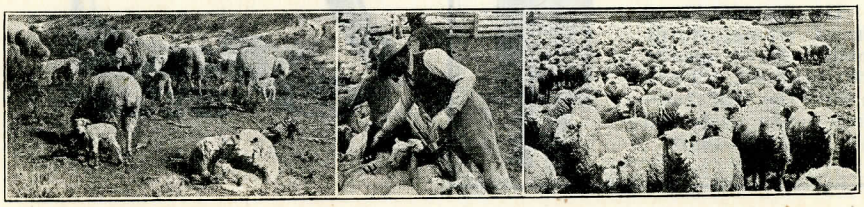
It leaves no second cuts in the wool. The fibre is taken off complete, hence is longer staple and brings a better price.

Machines Quickly Pay for Themselves

The extra wool secured quickly pays for the machine. Figure it out for yourself—how much would an increase of 15% in your estimated wool crop be worth to you in dollars and cents?

How to Select a Shearing Machine

When selecting the type of shearing machine best suited for your needs, read the information on page 29. This information was secured from sheep owners of long experience.



STEWART
No. 9 Ball Bearing Shearing Machine

For those having from a few up to 300 sheep and no engine, this is by far the best shearing machine. It shears smooth and fast, yet turns easy, due to fine construction and good bearings.

The shearing shaft is fitted with ball bearings at each of the universal joints, an important feature contributing much to the easy-running qualities of this machine.

The illustration of the universal joint on this page makes clear the location of the ball bearings.

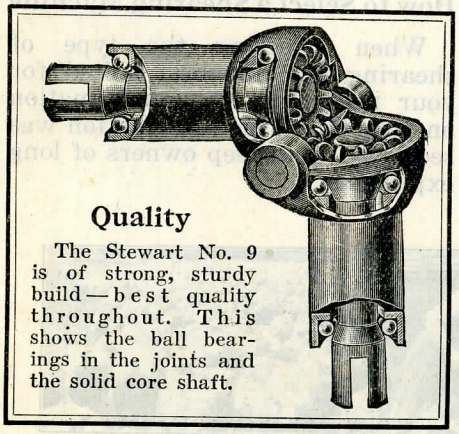
The shearing head is also fitted with ball bearings at every point of friction.

As a result of the extreme care in the manufacture of this machine, it turns very easy and does exceptionally good work.

For the man who owns up to 300 sheep, it is a splendid outfit.

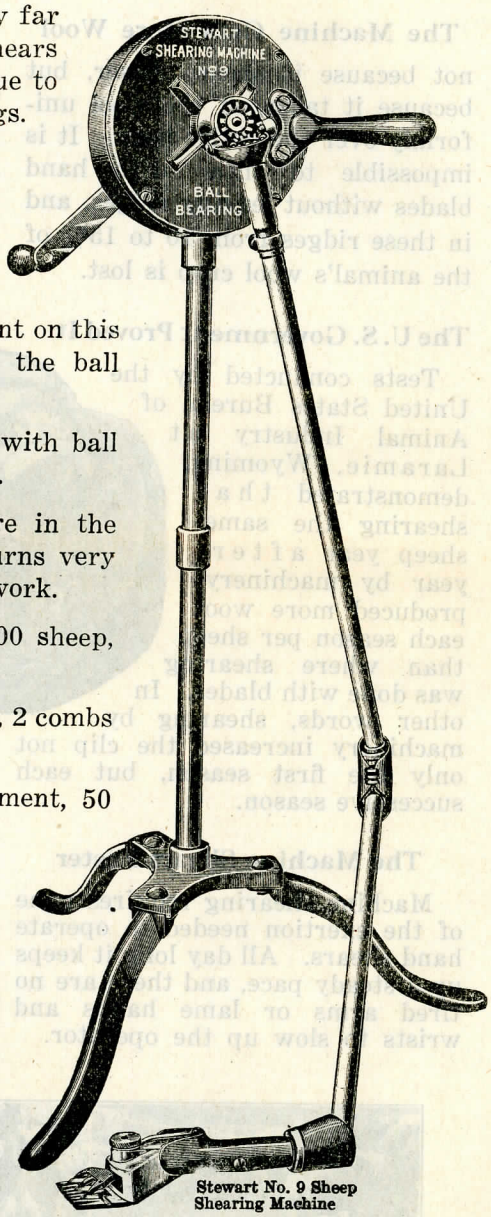
Stewart No. 7 Ball Bearing Shear, 2 combs and 4 cutters are included.

Weight, complete boxed for shipment, 50 pounds. **Price $24.00.**



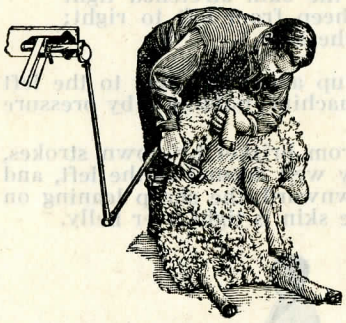
Quality

The Stewart No. 9 is of strong, sturdy build—best quality throughout. This shows the ball bearings in the joints and the solid core shaft.



Stewart No. 9 Sheep Shearing Machine

A Real Man and Time Saver



Belts to any ENGINE—
One man runs it and does the shearing too.

STEWART
One Man Power
Shearing Machine

The Stewart ONE-MAN sheep shearing machine belts to any engine. One man runs it and does the shearing, too. This substantial, well-made sheep shearing machine was designed especially for the farmer, who has an engine and up to as many as 200 or 300 sheep.

Strong, Sturdy Construction

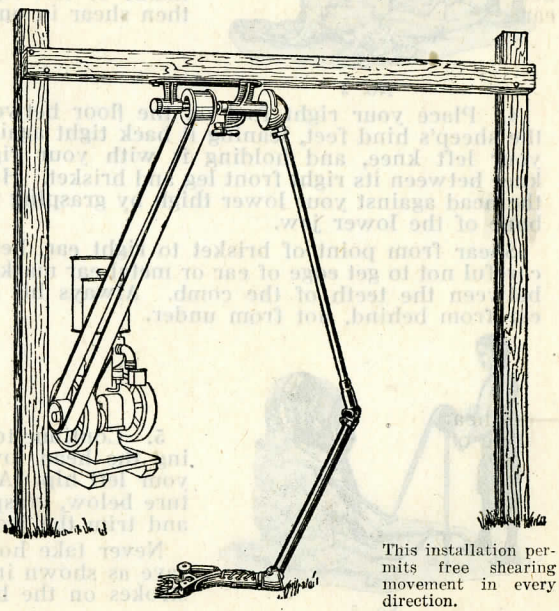
Three universal joints in the shearing shaft give great freedom of shearing movement, so that the operator can shear any part of the sheep without changing his position. Any farm hand can do good work with this machine right from the start. It will get enough more wool over shearing with hand blades to pay for itself in a day or two. It will pay equally well in the saving of shearers' wages where the shearing is hired.

The Stewart One Man Power Shearing Machines can be installed wherever most convenient. The best way is illustrated in the picture to the right. A very fine clutch operated with a handy lever makes it easy to throw the machine in and out of gear.

Equipped with Stewart No. 5 Shear Head, 2 combs and 4 cutters.

Shipping weight 40 lbs.

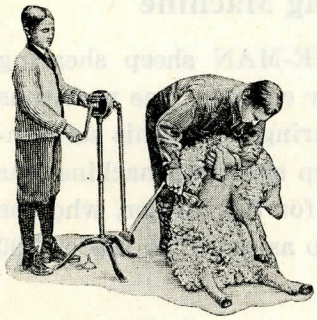
Price $25.00



This installation permits free shearing movement in every direction.

How to Shear a Sheep

Four Points: In shearing sheep by machine, bear in mind four things: Hold the sheep comfortably; keep the skin stretched tight over the part you are shearing; turn the sheep from left to right; keep the points of the comb well down on the skin.



No. 1

1. Set the sheep up about two feet to the left and in front of the machine, holding it by pressure between your knees.

Shear the wool from brisket by down strokes, then across the belly well around to the left, and slanting slightly downward, the sheep leaning on your left knee so the skin is tight over belly.

2. After four or five strokes across belly, run shears down to right flank, and two strokes out to toe, on front of right hind leg; then finish belly.

No. 2

Keep points of comb down on the sheep's skin, with the hand holding shear easily, thumb well up along side, and learn to cut the full width of the comb. Slow, even, long strokes do the best and fastest work.

No. 3

3. Turn sheep one-fourth to the right, place your right knee on brisket, with your left leg holding against sheep's back, then shear in on inside of right hind leg, across crotch and out on inside of left leg, till tail is reached and shorn, then shear in on outside of left hind leg to flank.

4. Place your right foot on the floor between the sheep's hind feet, leaning it back tight against your left knee, and holding it with your right knee between its right front leg and brisket. Hold the head against your lower thigh by grasping the bone of the lower jaw.

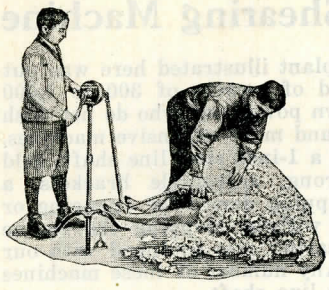
Shear from point of brisket to right ear, being careful not to get edge of ear or metal ear markers between the teeth of the comb. Always hit the ear from behind, not from under.

No. 4

No. 5

5. Continue to shear from brisket to head, turning the head toward you and holding it against your left hip. After the stroke shown in the picture below, grasp the left ear with your left hand and trim the wool from the entire head.

Never take hold of a sheep's foot at any time, save as shown in "No. 1," while shearing the first strokes on the belly.



No. 6

6. After the head, shear to the left until the left shoulder is shorn, then hold the left leg by pressing your hand into the point of the shoulder, and shear the leg, each stroke running back near the backbone. Continue on down the side, holding the skin tight at the point of shearing with the left hand, and backing gradually away from the sheep, until the left hip is finished.

No. 7

7. Put your right foot outside of the sheep's left hind leg and turn the sheep one-quarter to the right, resting weight of the sheep on the inside of your left leg and shear four strokes from tail to neck, holding the sheep's head with your left hand on right under jaw.

No. 8

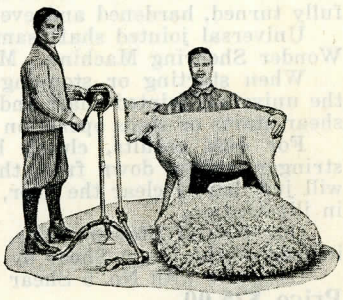
8. Turn sheep one-quarter more to the right, resting it partly between your knees, and finish the right side of the neck with down quartering strokes, then straight from the back out from the right front leg, holding sheep's head against your hips.

No. 9

9. Shear the right side by even strokes, slowly backing away from the sheep, so that the shearing point is in easy reach. Note that in all your positions your back should be to the machine, so that the short arm of the shearing shaft is nearly always touching your right leg.

No. 10

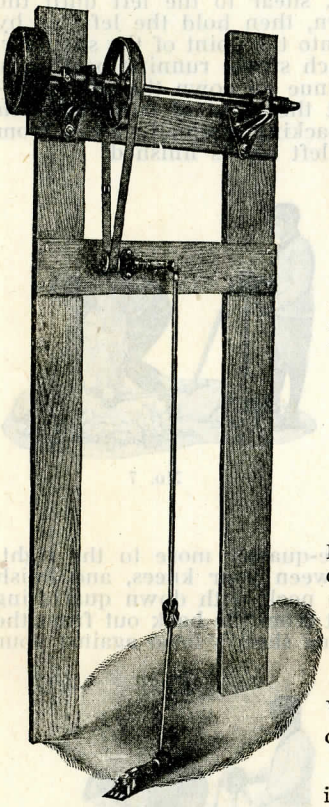
10. At the finish the sheep is in an easy position to complete tagging, with its head up against your left knee. On releasing it, it will get up and go away without disturbing the fleece.



No. 11

11. This method of shearing has been evolved from the experience of thousands of professional shearers, and is the best manner of manipulating the shear and sheep. This method is by far the easiest on both shearer and sheep and when learned is one in which no time nor effort is lost by the sheep struggling, beside the advantage of leaving an unbroken fleece.

The STEWART Light Duty Shearing Machine



STEWART Light Duty Shearing Machine

The sheep shearing plant illustrated here was put out to meet the demand of owners of 300 to 1,000 sheep who have their own power and who do not wish to purchase the larger and more expensive machines. This machine comprises a 1-inch steel line shaft, held in place by large, strong, adjustable brackets, a special starting and stopping device for engaging or disengaging the power without stopping the engine or line shaft, and a shearing arm equipped with our regular No. 5 Shear. Any number of these machines can be run on the same line shaft.

The Stewart Light Duty Sheep Shearing Machine is supplied complete as described above, with two combs and four cutters and driving pulley all ready to erect and belt to your engine.

Shipping weight, 135 pounds.

Price $35.00.

Also furnished in a two-machine plant with two No. 5 shears, four combs and eight cutters.

Price $70.00.

Above can be had with No. 12 Wide Shear by paying the additional cost. See page 28 for No. 12 Shear.

The wooden frame shown in cut, is not furnished.

STEWART Light Duty Clutch Bracket Shearing Outfit

Sheep owners who have engines and countershaft, or electric motors, and do not care to invest in a complete power shearing machine, can buy that portion of the Stewart Light Duty Machine, illustrated here. Includes Complete Clutch Bracket, Jointed Shaft and No. 5 Shear, with two combs and four cutters—the greatest value for the price.

Clutch Bracket well made and proportioned; spindles all carefully turned, hardened and every part nicely fitted.

Universal jointed shaft same as furnished with Stewart Little Wonder Shearing Machine. Made of steel throughout.

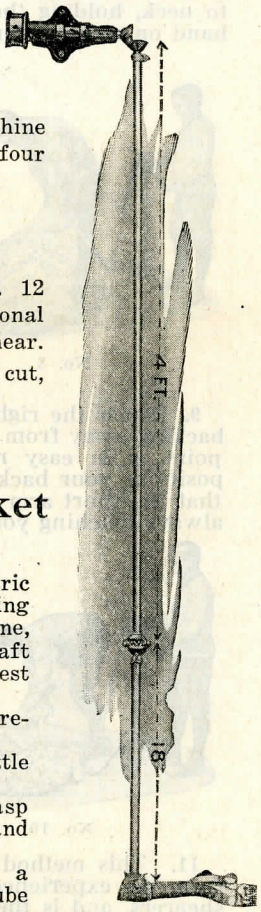
When starting or stopping shear, shearer has only to grasp the universal jointed shaft and pull outward or push inward, and shear starts or stops operation instantly.

For best results, clutch bracket should be fastened to a stringer coming down from the ceiling so the 18-inch short tube will just barely clear the floor, when shaft is connected, as shown in illustration.

Our No. 12 Stewart wide, air-cooled shear may be furnished instead of the No. 5 Shear by paying additional cost.

Complete with No. 5 Shear two combs and four cutters.

Price $25.00.



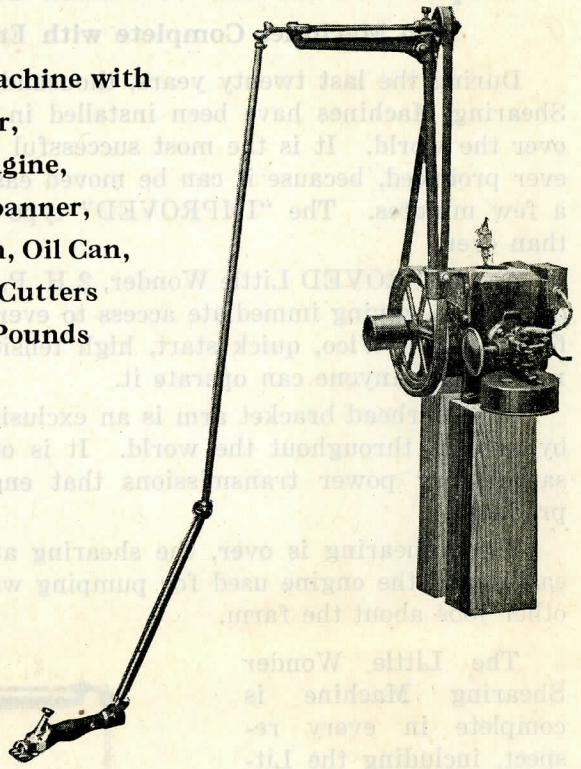
STEWART Light Duty Clutch Bracket and Shaft

STEWART IDEAL Shearing Machine

Comprising

One Complete Shearing Machine with
No. 12 Wide Shear,
1½ Horse-Power Engine,
Cog and Bush Key, Spanner,
Screw Driver, Comb Brush, Oil Can,
Two Combs and Four Cutters
Shipping Weight 250 Pounds

$100



If desired, a complete grinding machine can be supplied for $55 extra.

A good, substantial block, sunk a few feet in the ground, makes an excellent foundation for the Ideal Plant.

A complete Book of Instructions accompanies each outfit.

A reliable and sturdy power shearing plant containing all the conveniences and efficiency found in the largest shearing plants made.

The Stewart Ideal Shearing Machine is a "One Man" outfit. Owners of 200 to 1000 sheep can shear their flocks quickly and easily without extra help.

The thorough, practical construction of this machine is the result of 35 years' experience in manufacturing shearing machinery for the various wool growing countries of the world.

It contains all the essential features for good shearing. It is free from complications of any kind. Anyone can operate it without difficulty. No special shed is required. Two substantial posts sunk in the ground make an excellent stand for the Ideal Plant, and it can be installed complete ready for work in a couple of hours' time.

The shearing attachment can be detached quickly and placed aside until further need, and the engine is ready for driving the pump, working the cream separator, running the washing machine, and other jobs about the farm, which can be done with a good 1½ Horse Power Heavy Duty Engine.

The Engine supplied in the Stewart Ideal Shearing Plant is a full 1½ brake horse-power sturdy, heavy duty type. It is simple in construction, free from complications, and anyone can operate it without difficulty. It is water cooled, built on the four cycle principle, and fitted with quick start oscillating magneto.

STEWART
Improved Little Wonder Shearing Machine
Two Machines Complete with Engine and Grinder

During the last twenty years, thousands of Stewart Little Wonder Shearing Machines have been installed in wool growing countries all over the world. It is the most successful and popular shearing plant ever produced, because it can be moved easily and set up for work in a few minutes. The "IMPROVED" type will make it more popular than ever.

The IMPROVED Little Wonder, 2 H. P., horizontal engine has open crank case, giving immediate access to every part of the engine. It is fitted with a Wico, quick start, high tension magneto, and has speed regulator. Anyone can operate it.

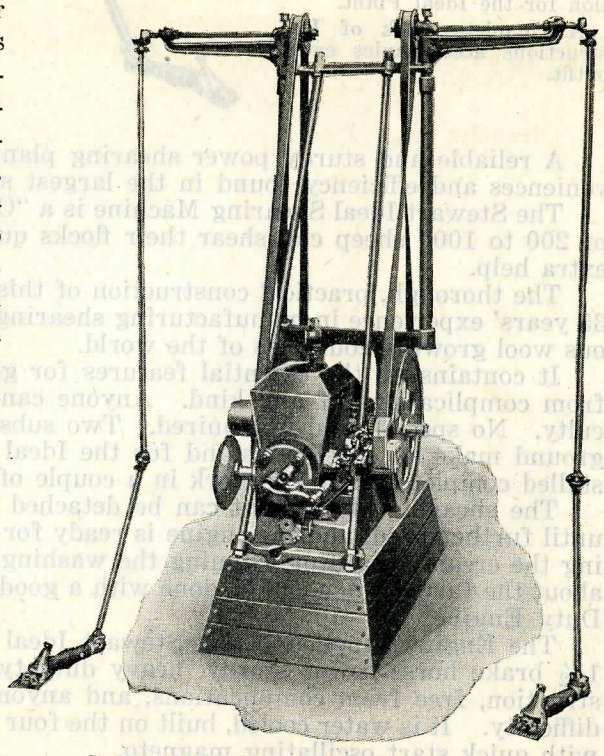
The overhead bracket arm is an exclusive Stewart feature, covered by patents throughout the world. It is one of the most simple and satisfactory power transmissions that engineering science has ever produced.

When shearing is over, the shearing attachment can be taken off easily, and the engine used for pumping water, sawing fire wood, and other jobs about the farm.

The Little Wonder Shearing Machine is complete in every respect, including the Little Wonder Grinder, complete with two discs, clamp plate, and necessary supplies. The two hand pieces are the famous Stewart No. 12 wide shears, illustrated on page 28. In addition to the engine, shears, grinder, etc., described above, each outfit includes four wide combs, twelve wide cutters, one cog and bush key, spanner, two screwdrivers, two comb brushes, and two oil cans.

Shipping weight, 550 lbs.

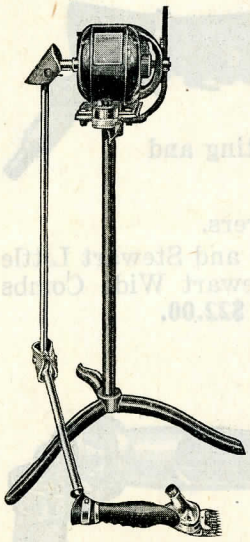
Price $215.00.



Stewart IMPROVED Little Wonder Shearing Machine

STEWART Electric Shearing Machine

Complete with High Grade Motor



Where farms have electric current and up to 300 sheep to shear, this complete machine, with motor, is unequalled for convenience, speed and results. By having an extension cord it can be used at any distance desired from the electric light socket.

The motor is of the highest quality and of ample power.

Shear included is the famous high top, air-cooled Stewart No. 12 Narrow, capable of high speed without overheating and very popular with fast shearers.

The universal jointed shaft that drives the shear is attached direct to the motor armature shaft, so that the drive is positive and there is no chance for lost motion.

There is a convenient switch on the motor for starting and stopping.

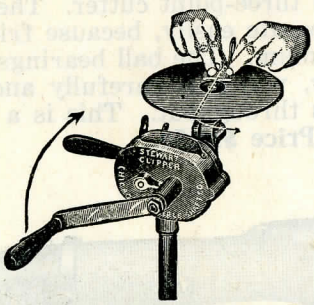
Furnished only for the following voltages:
32, 110 or 220 volt direct current.
110 or 220 volt, 60 cycle alternating current.

Shipping weight, 105 pounds. **Price $90.00.**

Can be had with attachment for clipping horses and cattle.

STEWART Grinders for Sharpening Stewart Clipping and Shearing Plates

Stewart No. 11 Grinder



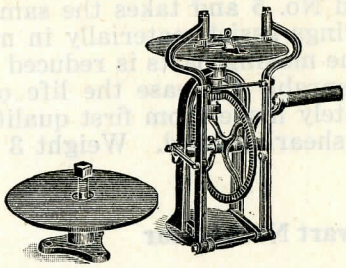
Attaches to No. 1 Stewart Horse Clipping Machine or Stewart No. 8 or No. 9 Sheep Shearing Machine.

A grinding compound (included) is used on the disc and the knives to be ground are placed in holders and held on the disc with the finger tips.

This grinder is for those who have not enough grinding to warrant the purchase of one of our large grinders.

Weight 9 pounds. **Price $6.75.**

Stewart No. 2 Automatic Grinder



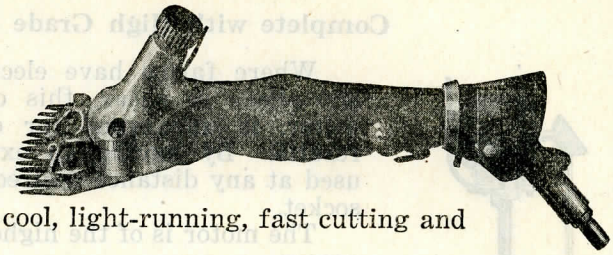
The best hand-operated sharpening device made for sharpening horse clipping or sheep shearing machine plates.

Grinding disc is covered with emery cloth on the same principle as the power grinding machines used in large shearing plants. This emery cloth surface can be renewed any time at very little expense. Grinder is practically everlasting. It is the most practical grinder for those who have considerable grinding to do and who do not wish to purchase a power grinder.

In ordering give our names and numbers of plates to be sharpened, so proper clamp rods will be supplied. No cams to change on this grinder. Each grinder shipped complete with 2 emery circles, liquid cement, clamp block and clamp rod. Diameter of disc, 14½ inches; height of grinder, over all, 2 feet; weight, boxed for shipment, 110 lbs. Price, complete, as described.....**$45.00**

STEWART Shearing Heads

Stewart No. 12 Wide Shear



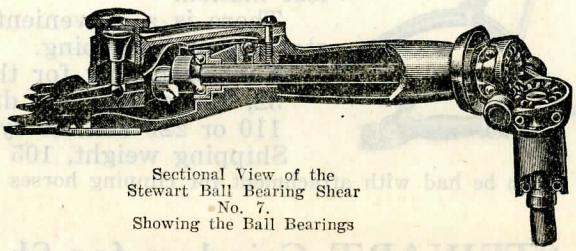
Excels all others for cool, light-running, fast cutting and low cost of upkeep.

Has won universal preference with expert shearers.

Regularly furnished with Stewart Enclosed Gear and Stewart Little Wonder Shearing Machines. This Shear takes Stewart Wide Combs and Cutters. See page 29. Weight 3½ lbs. **Price $22.00.**

Stewart Ball Bearing Shear No. 7.

This Shear takes No. 277 Comb and No. 276 Cutter, shown on page 29.

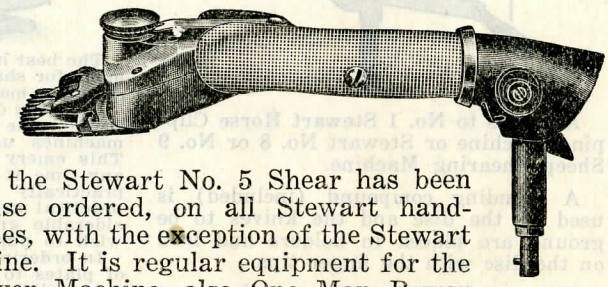


Sectional View of the Stewart Ball Bearing Shear No. 7. Showing the Ball Bearings

This shearing head is regularly supplied on the Stewart Ball Bearing Shearing Machine No. 9. The illustration shows the location of the ball bearings. In all other respects it is the same as our Stewart Shearing Head No. 5 and takes the same comb and three-point cutter. The ball bearings assist materially in making it operate easily, because friction of the moving parts is reduced to the minimum. The ball bearings also measurably increase the life of the shear, which is carefully and accurately made from first quality materials throughout. This is a very fine shearing head. Weight 3 lbs. 2 oz. **Price $10.50.**

Stewart No. 5 Shear

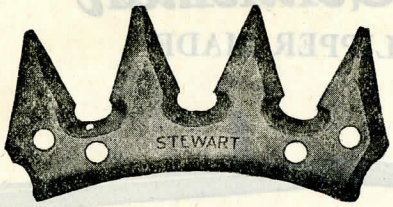
This Shear takes No. 277 Comb and No. 276 Cutter, Shown on page 29.



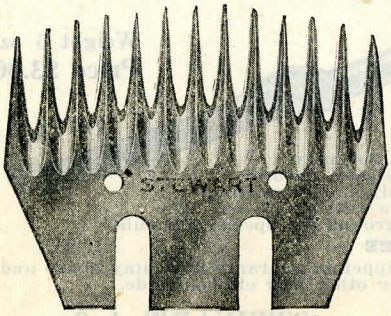
Since January, 1908, the Stewart No. 5 Shear has been supplied, unless otherwise ordered, on all Stewart hand-operated shearing machines, with the exception of the Stewart No. 9 Ball Bearing Machine. It is regular equipment for the Stewart Light Duty Power Machine, also One Man Power Machine, and is built along the same lines as our larger shearing heads for power machines. This shear has been widely used with most satisfactory results. Weight 3 lbs. 2 oz. **Price $9.50.**

PERFECT PROCESS STEWART COMBS and CUTTERS

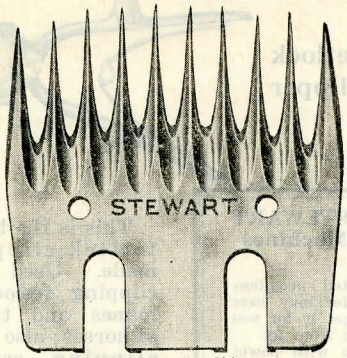
The amount of work Stewart Combs and Cutters will do and remain sharp is wonderful. Our 35 years' experience making the best cutting plates on the market is combined with the biggest and best equipment on earth—and the result is a better comb and cutter than could ever be bought before.



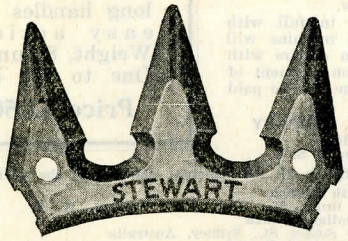
Stewart Wide Cutter (4 point). Each 35c



Stewart Wide Comb (13 Point)
Each $1.00

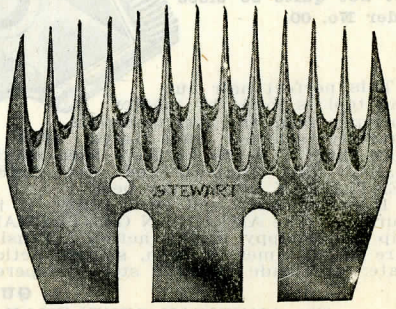


Stewart No. 277
Ten-Point Comb
Each $1.00



No. 276 Three-Point Cutter
Each 30c

Stewart No. 276 Cutter and 277 Comb are for Stewart No. 5 and No. 7 Shears.



Stewart Arizona Thin Comb

(13 Point Wide)

This is an extra thin comb for fast work and very popular with expert shearers.

Fits any Stewart Wide Shear. Each 85c.

How to Choose the Right Stewart Shearing Machine For You.

How many sheep will you shear this season? Are you going to enlarge your flock? Would a stationary or portable plant be most convenient? Have you an engine? Have you electric current? There is a Stewart Shearing Machine for any requirement.

We suggest to sheep owners having

6 to 300 sheep and no engine—
The Stewart No. 9 Machine, page 20

6 to 300 sheep and an engine—
Stewart "One Man" Machine, page 21

30 to 300 sheep and electric current—
Stewart Electric Shearing Machine, page 27

300 to 1,000 sheep and an engine—
Stewart Light Duty Machine, page 24

300 to 1,500 sheep and no engine—
Ideal, page 25

500 to 3,000 sheep and no engine—
Stewart Little Wonder Machine, page 26

FOR HOME USE

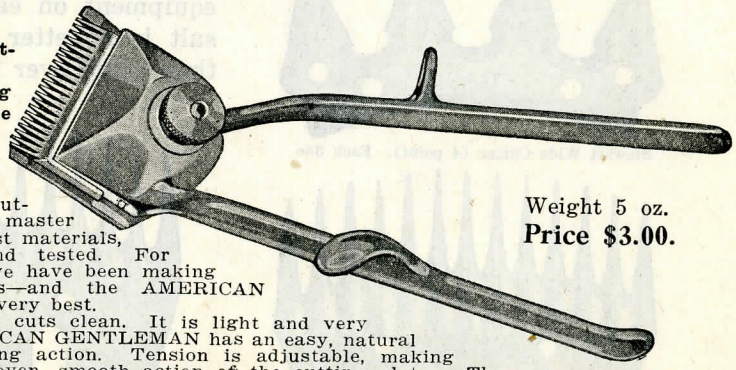
Fathers—Mothers—Daughters—Sons

Use the

American Gentleman

THE BEST HAIR CLIPPER MADE

For razor close cutting order No. 000.
For snug clipping but not quite so close order No. 00.



This perfect hair cutting tool is made by master workmen from the best materials, carefully selected and tested. For more than 35 years we have been making quality hair clippers—and the AMERICAN GENTLEMAN is our very best.

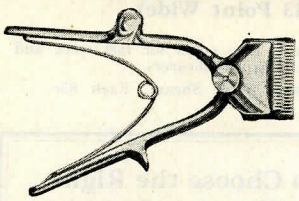
It stays sharp and cuts clean. It is light and very durable. The AMERICAN GENTLEMAN has an easy, natural grip and snappy spring action. Tension is adjustable, making sure at all times of even, smooth action of the cutting plates. The plates are made of razor steel, tempered and ground by special formula.

Weight 5 oz.
Price $3.00.

GUARANTEE

The AMERICAN GENTLEMAN Hair Clipper is guaranteed to stay sharp and to give more years of good clipping service than any other hair clipper made.

STEWART A-1



General Purpose Clipper.

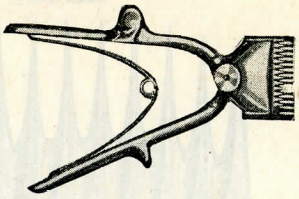
Unusually strong and durable. First quality cutting plates. ⅛" cut. Well nickel plated. Does excellent work in the home. Packed in individual box.

Weight 8 oz.

Price $2.50.

STEWART A-2

Fetlock Clipper



This is the best fetlock clipper made. Used for clipping fetlocks, manes and tails of horses; also for clipping cattle and dogs. Strong and durable. Has long handles and easy action. Weight, 8 ounces. One to the box.

Price $2.50.

Where and How to Get STEWART Clipping and Shearing Machines and Supplies

Dealers sell our hand-operated machines and cutting plates. Your dealer may have the machine you want or will get it for you quickly. If not, order it direct from us.

Some dealers can supply you with power shearing machines, but for the most part the power operated machines and supplies are ordered direct from the factory or from factory distributors listed below.

If not convenient to remit in full with your order any hand operated machine will be shipped on payment of two dollars with order and any power machine on payment of 10% of price with order—balance to be paid on arrival.

CHICAGO FLEXIBLE SHAFT COMPANY
Factory and Main Office
5600 Roosevelt Road, Chicago, U. S. A.

Factory Branches and Distributors of Stewart Machines are located in all the principal countries of the world.

Charles F. Wiggs, Western Distributor
224 S. W. Temple St., Salt Lake City, Utah
W. H. Sparr, Southwest Distributor
311 San Francisco St., El Paso, Texas
A. F. McCandless, Northwest Distributor
2510 1st Avenue, North Billings, Montana
Chicago Flexible Shaft Company
16-18 Reade St., New York City
Canadian Branch
349 Carlaw Avenue, Toronto
English Branch
11 Broad St., Bloomsbury, London, W. C.
Australian Branch
129 Sussex St., Sydney, Australia
New Zealand Branch
12-14 Kingston St., Auckland
Argentine Branch
87 Maipu 87, Buenos Aires, Argentina
Uruguay Branch
Uruguay, 820—Montevideo, Uruguay

Here are a few Order Forms for Your Convenience

CHICAGO FLEXIBLE SHAFT COMPANY
ROOSEVELT ROAD, CHICAGO

Date.....

Send me the following goods.....

.....

.....

Ship via .....

I enclose Check / Money Order for $..... in payment.

Name.....

Address.....

Post Office and State.....

1124

CHICAGO FLEXIBLE SHAFT COMPANY
ROOSEVELT ROAD, CHICAGO

Date.....

Send me the following goods.....

.....

.....

Ship via .....

I enclose Check / Money Order for $..... in payment.

Name.....

Address.....

Post Office and State.....

1124

CHICAGO FLEXIBLE SHAFT COMPANY
ROOSEVELT ROAD, CHICAGO

Date.....

Send me the following goods.....

.....

.....

Ship via .....

I enclose Check / Money Order for $..... in payment.

Name.....

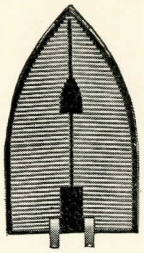
Address.....

Post Office and State.....

1124

Always depend on

Sunbeam
THE IRON OF IRONS

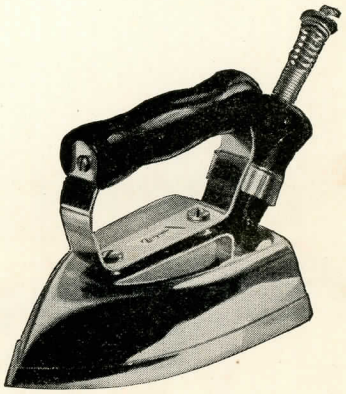


GUARANTEE

The Sunbeam Electric Iron is guaranteed to give more years of good service than any other iron made.

This is the heavy-duty heating unit we put in every Sunbeam Iron. Hand wound with chromium ribbon and insulated between full sheets of genuine India mica—everlasting as human hands can make a heating unit—the heart of any iron.

The Sunbeam has every improvement that makes for better, easier and quicker ironing. It is a wonderful time and labor saver and will give many years of trouble free service.



Made for 32, 110 or 220 volt. Be sure to specify voltage. Weight 6½ pounds. Price $7.50.

1925

JANUARY

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

FEBRUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
..	..	..	..	..	..	..
..	..	..	..	..	..	..

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

APRIL

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

MAY

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

JUNE

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..	..	..	..	..	..	..

JULY

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

AUGUST

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

SEPTEMBER

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

OCTOBER

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

DECEMBER

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

A List of the Products We Make

STEWART CLIPPING MACHINES
For Cows, Horses and Mules

STEWART SHEARING MACHINES
For Sheep and Goats

SUNBEAM ELECTRIC IRON
The Iron of Irons

SUNBEAM TOASTER AND TABLE STOVE
Cooks 49 Dishes Right at the Table

AMERICAN GENTLEMAN HAIR CLIPPER
The Best Hair Clipper Made

RAIN KING LAWN SPRINKLER
A Superior Revolving and Stationary Sprinkler

TWO PURPOSE–LAWN SPRINKLER
Combined Spray and Hose Nozzle

CLARK HEATERS AND CLARK CARBON
For Winter Driving

CHICAGO FLEXIBLE SHAFT COMPANY
5602 Roosevelt Road, Chicago, Illinois

35 Years Making Quality Products